PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	10/602,136	Confirmation No.: Unassigned
Applicant:	Sommadossi *et al.*	
Filed:	June 20, 2003	
TC/A.AU.:	Unassigned	
Examiner:	Unassigned	
Docket No.:	06171.105074 IDX 1007 DIV	
Customer No.:	20786	
Title:	Methods and Compositions for Treating Hepatitis C Virus	

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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Respectfully submitted,

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Jennifer A. Williams

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Sheet	1	of	6

Complete if Known	
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. [1]	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear
	AA	3,480,613	A	Walton *et al.*	11-25-1969	
	AB	5,977,061	A	De Clercq	11-02-1999	
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	AM	2003/0050229	A1	Sommadossi *et al.*	03-13-2003	
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	AQ	FR	1,521,076	A	Merck & Co. Inc.	04-12-1968		
	AR	FR	1,581,628	A	Merck & Co. Inc.	09-19-1969		
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	AZ	WO	00/09531	A2	Novirio Pharm. (Idenix)	02-24-2000		
	AAA	WO	01/32153	A2	Biochem Pharma	05-10-2001		

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	BA	WO	01/60315	A2	Biochem Pharma	08-23-2001		
	BB	WO	01/68663	A1	ICN Pharmaceuticals	09-20-2001		
	BC	WO	01/79246	A2	Pharmasset	10-25-2001		
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	BQ	WO	03/026589	A2	Idenix; CNRS; U. Montp.	04-03-2003		
	BR	WO	03/026675	A1	Idenix; CNRS; U. Montp.	04-03-2003		
	BS	WO	03/051899	A1	Ribapharm	06-26-2003		
	BT	WO	03/061385	A1	Ribapharm	07-31-2003		
	BU	WO	03/061576	A2	Ribapharm	07-31-2003		
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	BW	WO	03/062256	A1	Ribapharm	07-31-2003		
	BX	WO	03/062257	A1	Ribapharm	07-31-2003		
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	BZ	WO	03/068162	A2	Pharmasset	08-21-2003		
	BAA	WO	03/072757	A2	Biota Inc.	09-04-2003		
	BAB	WO	03/093290	A2	Genelabs Technologies	11-13-2003		
	BAC	WO	04/002422	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		
	BAD	WO	04/002999	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	CA	ALTMANN *et al*, "The synthesis of 1'-methyl carbocyclic thymidine and its effect on nucleic acid duplex stability," *Synlett, Thieme Verlag, Stuttgart, De,* 10:853-855 (1994).	
	CB	BAGINSKI, S. G, *et al.*, "Mechanism of action of a pestivirus antiviral compound," *PNAS USA*, 97(14):7981-7986 (2000).	
	CC	BEIGELMAN, L.N., *et al*, "Epimerization during the acetolysis of 3-*O*-acetyl-5-*O*-benzoyl-1,2-*O*-isopropylidene-3-*C*-methyl-α,D-ribofuranose. Synthesis of 3'-*C*-methylnucleosides with the β-D-*ribo*- and α-D-*arabino* configurations," *Carbohydrate Research*, 181:77-88 (1988).	
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	CE	BERENGUER, M., *et al*, "Hepatitis B and C viruses: Molecular identification and targeted antiviral therapies," *Proceedings of the Association of American Physicians*, 110(2), 98-112 (1998).	
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	CG	CZERNECKI, S., *et al*, "Synthesis of various 3'-branched 2',3'-unsaturated pyrimidine nucleosides as potential anti-HIV agents," *J. Org. Chem.*, 57:7325-7328 (1992).	
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	DA	HARAGUCHI, K., *et al.*, "Stereoselective synthesis of 1'-*C*-branched uracil nucleosides from uridine," *Nucleosides & Nucleotides*, 14(3-5):417-420 (1995).	
	DB	HARRY-O'KURU, R.E., *et al.*, "A short, flexible route toward 2'-C-branched ribonucleosides", *J.Org. Chem.*, 62:1754-1759 (1997). (Scheme 11).	
	DC	HARRY-O'KURU, R.E., *et al.*, "2'-*C*-Alkylribonucleosides: Design, synthesis, and conformation," *Nucleosides & Nucleotides*, 16(7-9):1457-1460 (1997). ["Rogers" in #2; correct name in #7]	
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	DE	HREBABECKY, H., *et al.*, "Nucleic acid components and their analogues. CXLIX. Synthesis of pyrimidine nucleosides derived from 1-deoxy-D-psicose," *Collect. Czech. Chem. Commun.*, 37:2059-2065 (1972).	
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	EA	MATSUDA, A., *et al.*, "Nucleosides and Nucleotides. 94. Radical deoxygenation of *tert*-alcohols in 1-(2-*C*-alkylpentofuranosyl)pyrimidines : Synthesis of (2'*S*)-2'-deoxy-2'-*C*-methylcytidine, an antileukemic nucleoside, " *J. Med. Chem.*, 34:234-239 (1991).	
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	EI	Oral Session V, Hepatitis C Virus, Flaviviridae; 16th International Conference on Antiviral Research (**April 27, 2003**, Savannah, Ga.) p A75-77.	
	EJ	PAN-ZHOU, X-R, *et al.*, "Differential effects of antiretroviral nucleoside analogs on mitochondrial function in HepG2 cells," *Antimicrob. Agents Chemother.*, 44:496-503 (2000).	
	EK	ROSENTHAL, A., *et al.*, "Branched-chain sugar nucleosides. Synthesis of 3'-*C*-ethyl (and 3'-*C*-butyl)uridine *Carbohydrate Research*, 79:235-242 (1980).	
	EL	SAMANO, V., *et al.*, "Synthesis and radical-induced ring-opening reactions of 2'-deoxyadenosine-2'-spirocyclopropane and its uridine analogue. Mechanistic probe for ribonucleotide reductases," *J. Am. Chem. Soc.*, 114:4007-4008 (1992).	

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Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	10/602,136	Confirmation No.: Unassigned
Applicant:	Sommadossi *et al.*	
Filed:	June 20, 2003	
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Customer No.:	20786	
Title:	Methods and Compositions for Treating Hepatitis C Virus	

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REFERENCES

BOX 1 OF 2